STARR et al. -- Appln. No.: Not Yet Assigned
(CON. of U.S. Appln. No. 10/172,271)

Please cancel the paragraphs beginning at page 20, line 9, and page 20, line 15, in their entirety as follows:

~~Fig. 6 illustrates that a second drop in the patient's arterial oxygen saturation will occur at time x due to the recirculation of the relatively oxygen poor blood. If this second drop, which is represented by area B_2, is minimal, it can be ignored for purposes of determining the time period t_e to t_d. Thus, the time period t_e to t_{d2} associated with areas B_1 and B_2 are used to solve equation (21).~~

~~However, if this second drop is not minimal, the time period t_e to t_{d1} associated with area B_1 alone is used for solving equation (21). The location of time t_{d1} is determined using any conventional extrapolation technique. Of course, the present invention contemplates using suitable programming or other means for deciding when the effect of recirculation, and, hence the size of area B_2 is above the predetermined minimal threshold and must be accounted for in solving equation (21).~~

Please replace the Section title at page 21, line 1, with the following rewritten title.

B. Technique 2 <u>for</u> ~~for~~ Calculating Cardiac Output ~~Based on the Slopes of the Curves~~

Please cancel the paragraph beginning at page 1~~7~~ 21, line 1~~1~~ 3, in its entirety as follows:

~~Figs. 7 and 8, like Figs. 3 and 4, illustrate the changes in the patient's oxygen~~

~~uptake and arterial oxygen saturation, respectively, resulting from the oxygen concentration~~